A2 Conl through the full 3D volume of seismic data to identify the points that satisfy the voxel selection algorithm. This is time consuming even on a high speed graphics supercomputer. Additionally, conventional 3D seismic interpretation programs do not provide the capability to directly delete from the collection of picked voxels. The only way to "eliminate" points from the collection of picked voxels using conventional 3D seismic interpretation programs is to repeatedly adjust the selection criteria for the voxel selection algorithm until the points to be eliminated fall outside of the selection criteria for the displayed points that satisfy the voxel selection algorithm. Each time the selection criteria are adjusted, the image must be interrupted. This iterative process is time consuming, and interferes with the visualization process of the user.

Page 15, the paragraph beginning on line 1:

A3

An application program that uses IRIS Performer and OpenGL® API typically carries out the following steps in preparing for real-time 3D visual simulation:

Page 15, line 16:

Art

9. Perform latency critical viewpoint updates; and

Page 33, the paragraph beginning on line 21:

45

Computer system 1402 also includes a main memory 1408, preferably random access memory (RAM), and can also include a secondary memory 1410. Secondary memory 1410 can include, for example, a hard disk drive 1412 and/or a removable storage drive 1414, representing a floppy disk drive, a magnetic tape drive, an optical disk drive, etc. Removable storage drive 1414 reads from and/or writes to a removable storage unit 1418 in a well known manner. Removable storage unit 1418, represents a floppy disk, magnetic tape, optical disk, etc. which is read by and written to removable storage drive 1414. As will be appreciated, removable storage unit 1418 includes a computer usable storage medium having stored therein computer software and/or data.

Page 40, the paragraph beginning on line 6:

ALP

The user may stop the probe and move one or more control points, such as control points 1902, 1904, 1906 and 1908 to adjust the position of the respective spline curve such as spline curve 1914. All other spline curves, such as spline curves 1916, 1918, and 1920 remain the same, while surface 1912 is smoothly interpolated between the current spline curve 1914 on the probe face 1910 and the prior spline

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curve 1920. The remainder of the surface 1912 remains the same unless the user moves the probe face 1910 to another spline curve such as 1920 and proceeds to edit the same, thereby reshaping the surface 1912 between the current spline curve 1920 on the probe face 1910 and the prior spline curve 1918.

Respectfully submitted,

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